

TABLEAU PÉRIODIQUE DES ÉLÉMENTS

| | | | | | | | | | | | | | | | | | | | | | |
|----------------------|-----------------------|----------------------|----------------------------|----------------------|-------------------------|------------------------|-----------------------|--------------------------|------------------------|------------------------|-----------------------|-----------------------|-----------------------|-----------------------|----------------------|--------------------|------------------------|------------------------|--------------------------|-------------------------|------------------------|
| 1 | | | | | | | | | | | | | | | | | 2 | | | | |
| 1 H hydrogène | | | | | | | | | | | | | | | | | 2 He hélium | | | | |
| 3 Li lithium | 4 Be beryllium | | | | | | | | | | | 5 B bor | 6 C carbone | 7 N azote | 8 O oxygène | 9 F fluor | 10 Ne néon | | | | |
| 11 Na sodium | 12 Mg magnésium | | | | | | | | | | | 13 Al aluminium | 14 Si silicium | 15 P phosphore | 16 S soufre | 17 Cl chlore | 18 Ar argon | | | | |
| 19 K potassium | 20 Ca calcium | 21 Sc scandium | 22 Ti titane | 23 V vanadium | 24 Cr chrome | 25 Mn manganèse | 26 Fe fer | 27 Co cobalt | 28 Ni nickel | 29 Cu cuivre | 30 Zn zinc | 31 Ga gallium | 32 Ge germanium | 33 As arsenic | 34 Se sélénium | 35 Br brome | 36 Kr krypton | | | | |
| 37 Rb rubidium | 38 Sr strontium | 39 Y yttrium | 40 Zr zirconium | 41 Nb niobium | 42 Mo molybdène | 43 Tc technétium | 44 Ru ruthénium | 45 Rh rhodium | 46 Pd palladium | 47 Ag argent | 48 Cd cadmium | 49 In indium | 50 Sn étain | 51 Sb antimoine | 52 Te tellure | 53 I iode | 54 Xe xénon | | | | |
| 55 Cs césium | 56 Ba baryum | 57 La lanthane | 72 Hf hafnium | 73 Ta tantalum | 74 W tungstène | 75 Re rhenium | 76 Os osmium | 77 Ir iridium | 78 Pt platine | 79 Au or | 80 Hg mercure | 81 Tl thallium | 82 Pb plomb | 83 Bi bismuth | 84 Po polonium | 85 At astate | 86 Rn radon | | | | |
| 87 Fr francium | 88 Ra radium | 89 Ac actinium | 104 Rf rutherfordium | 105 Db dubnium | 106 Sg seaborgium | 107 Bh bohrium | 108 Hs hassium | 109 Mt mendelevium | 110 Uu unilabium | 111 Uuh ununnium | 112 Uub ununium | 113 Nh nihonium | | | | | 114 Fl flerovium | 115 Mc moscovium | 116 Lv livermorium | 117 Ts tennessine | 118 Og oganesson |
| p-bloc | | d-bloc | | | | | | | | | | | | | | | | | | | |

métaux ☐

éléments métalliques ☐

non-métaux ☐

gaz nobles ☒

| | | | | | | | | | | | | | |
|---------------------|--------------------------|---------------------|------------------------|-----------------------|------------------------|------------------------|------------------------|--------------------------|--------------------------|----------------------|--------------------------|-----------------------|-------------------------|
| 54 Xe xénon | 56 Pr praseodyme | 58 Nd néodyme | 60 Pm prométhium | 62 Sm samarium | 64 Eu europium | 66 Gd gadolinium | 68 Tb terbium | 70 Dy dysprosium | 72 Ho holmium | 74 Er erbium | 76 Tm thulium | 78 Yb ytterbium | 80 Lu lutécium |
| 90 Th thorium | 92 Pa protactinium | 94 U uranium | 96 Np neptunium | 98 Pu plutonium | 100 Am américium | 102 Cm curium | 104 Bk berkélium | 106 Cf californium | 108 Es einsteinium | 110 Fm fermium | 112 Md mendelevium | 114 No nobélium | 116 Lr lawrencium |

13 - Noms, symboles, numéros et masses atomiques des éléments

| Nom | Symbole | Numéro atomique | Masses atomiques | Nom | Symbole | Numéro atomique | Masses atomiques |
|--------------------|---------|-----------------|------------------|-----------------------|---------|-----------------|------------------|
| actinium 227 | Ac | 89 | 227,0278 | meitnerium 266 | Mt | 109 | |
| aluminium | Al | 13 | 26,9815 | mendélévium 258 | Md | 101 | 258,10 |
| américium 243 | Am | 95 | 243,0614 | mercure (hydrargyrum) | Hg | 80 | 200,59 |
| antimoine(stibium) | Sb | 51 | 121,757 | molybdène | Mo | 42 | 95,94 |
| argent | Ag | 47 | 107,8682 | néodyme | Nd | 60 | 144,24 |
| argon | Ar | 18 | 39,948 | néon | Ne | 10 | 20,1797 |
| arsenic | As | 33 | 74,9216 | neptunium 237 | Np | 93 | 237,0482 |
| astate 210 | At | 85 | 209,9871 | nickel | Ni | 28 | 58,6934 |
| azote (nitrogène) | N | 7 | 14,0067 | niobium | Nb | 41 | 92,9064 |
| baryum | Ba | 56 | 137,327 | nobélium 259 | No | 102 | 259,1009 |
| berkélium 247 | Bk | 97 | 247,0703 | or (aurum) | Au | 79 | 196,9665 |
| béryllium | Be | 4 | 9,0122 | osmium | Os | 76 | 190,23 |
| bismuth | Bi | 83 | 208,9804 | oxygène | O | 8 | 15,9994 |
| bohrium 262 | Bh | 107 | 262,12 | palladium | Pd | 46 | 106,42 |
| bore | B | 5 | 10,811 | phosphore | P | 15 | 30,9738 |
| brome | Br | 35 | 79,904 | platine | Pt | 78 | 195,08 |
| cadmium | Cd | 48 | 112,411 | plomb (plumbum) | Pb | 82 | 207,2 |
| calcium | Ca | 20 | 40,078 | plutonium 244 | Pu | 94 | 244,0642 |
| californium 251 | Cf | 98 | 251,0796 | polonium 209 | Po | 84 | 208,9824 |
| carbone | C | 6 | 12,011 | potassium (kalium) | K | 19 | 39,0983 |
| cérium | Ce | 58 | 140,115 | praséodyme | Pr | 59 | 140,9076 |
| césium | Cs | 55 | 132,9054 | prométhium 145 | Pm | 61 | 144,9127 |
| chlore | Cl | 17 | 35,4527 | protactinium 231 | Pa | 91 | 231,0359 |
| chrome | Cr | 24 | 51,9961 | radium 226 | Ra | 88 | 226,0254 |
| cobalt | Co | 27 | 58,9332 | radon 222 | Rn | 86 | 222,0176 |
| cuivre (cuprum) | Cu | 29 | 63,546 | rhénium | Re | 75 | 186,207 |
| curium 247 | Cm | 96 | 247,0703 | rhodium | Rh | 45 | 102,9055 |
| dubnium 262 | Db | 105 | 262,114 | rubidium | Rb | 37 | 85,4678 |
| dysprosium | Dy | 66 | 162,50 | ruthénium | Ru | 44 | 101,07 |
| einsteinium 252 | Es | 99 | 252,083 | rutherfordium 261 | Rf | 104 | 261,11 |
| erbium | Er | 68 | 167,26 | samarium | Sm | 62 | 150,36 |
| étain (stannum) | Sn | 50 | 118,710 | scandium | Sc | 21 | 44,9559 |
| europium | Eu | 63 | 151,965 | seaborgium 263 | Sg | 106 | 263,118 |
| fer | Fe | 26 | 55,847 | sélénium | Se | 34 | 78,96 |
| fermium 257 | Fm | 100 | 257,0951 | silicium | Si | 14 | 28,0855 |
| fluor | F | 9 | 18,9984 | sodium (natrium) | Na | 11 | 22,9898 |
| francium 223 | Fr | 87 | 223,0197 | soufre (sulfur) | S | 16 | 32,066 |
| gadolinium | Gd | 64 | 157,25 | strontium | Sr | 38 | 87,62 |
| gallium | Ga | 31 | 69,723 | tantale | Ta | 73 | 180,9479 |
| germanium | Ge | 32 | 72,61 | technétium 99 | Tc | 43 | 98,9063 |
| hafnium | Hf | 72 | 178,49 | tellure | Te | 52 | 127,60 |
| hassium 265 | Hs | 108 | | terbium | Tb | 65 | 158,9253 |
| hélium | He | 2 | 4,0026 | thallium | Tl | 81 | 204,3833 |
| holmium | Ho | 67 | 164,9303 | thorium 232 | Th | 90 | 232,0381 |
| hydrogène | H | 1 | 1,0079 | thulium | Tm | 69 | 168,9342 |

| | | | | | | | |
|----------------|----|-----|----------|---------------------|----|----|----------|
| indium | In | 49 | 114,818 | titane | Ti | 22 | 47,88 |
| iode | I | 53 | 126,9045 | tungstène (wolfram) | W | 74 | 183,84 |
| iridium | Ir | 77 | 192,22 | uranium 238 | U | 92 | 238,0508 |
| krypton | Kr | 36 | 83,80 | vanadium | V | 23 | 50,9415 |
| lanthane | La | 57 | 138,9055 | xénon | Xe | 54 | 131,29 |
| lawrencium 262 | Lr | 103 | 262,11 | ytterbium | Yb | 70 | 173,04 |
| lithium | Li | 3 | 6,941 | yttrium | Y | 39 | 88,9058 |
| lutétium | Lu | 71 | 174,967 | zinc | Zn | 30 | 65,39 |
| magnésium | Mg | 12 | 24,3050 | zirconium | Zr | 40 | 91,224 |
| manganèse | Mn | 25 | 54,9380 | | | | |



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